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OCT 27 1998

Reclamation Surety Estimate

11/003/024

Draft estimates from  
Lon Thomas for Cotton Thomas

Mine Name

Autumn Gold

Insert details of reclamation here  
DIV. OF OIL, GAS & MINING

Doze first three feet of dump up hill to cover quarry floor and quarry face. Doze curb off dump downhill to recontour and blend in with hill. Spread topsoil with front end loader, seed, then rake with loader teeth.

Amount of disturbed area which will receive reclamation treatments =

Estimated total disturbed area for this mine =

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DIV. OF OIL, GAS & MINING  
7-63

Activity	Qty	Unit	\$/Unit	\$
Safety Gates, signs, etc		sum	200	0
Demolition of buildings & facilities	0	CF	0.23	0
Debris & equipment removal - trucking	0	trips	48	0
Debris & equipment removal - dump fees	0	CY	6	0
Debris & equipment removal - loading trucks w/FE loader	0	hours	166	0
Demolition & debris removal - general labor	0	hours	15	0
Regrading facilities areas	0	acre	415	0
Regrading waste dump slopes	7000	CY	0.32	2,240
Ripping waste dump tops	7.6	acre	363	2,759
Ripping stockpile & compacted areas	0	acre	363	0
Ripping pit floors	0	acre	363	0
Ripping pit access roads	0	acre	363	0
Creating safety berms or barriers around highwalls	0	LF	0.1	0
Ripping access roads - dozer	0	acre	363	0
Regrading access roads - dozer	0	acre	415	0
Sidecast mtl replacement on steep roads - trackhoe	0	LF	0.85	0
Surface drainage restoration of construction	0	LF	0.1	0
Topsoil replacement - dozer	0	CY	0.4	0
Topsoil replacement - scraper	0	CY	1.01	0
Topsoil replacement - truck & FE loader	684	CY	1.99	1,361
Mulching (2 ton/acre alfalfa)	0	acre	160	0
Fertilizing (100lb/acre diammonium phosphate)	7.6	acre	90	684
Broadcast seeding (~20 lb/acre)	7.6	acre	170	1,292
Drill seeding (~13 lb/acre)	0	acre	150	0
Hydroseeding	0	acre	800	0
General site cleanup & trash removal	7.6	acre	50	380
Equipment mobilization	33%	equip	1000	330
Reclamation Supervision	2	days	356	712
	Subtotal			9,758
10% Contingency				976
	Subtotal			10,734
Escalate for 5 years at 2.24% per yr				1,202
	Total			11,936



# Reclamation Surety Estimate

Mine Name

Antique White

Insert details of reclamation here

Doze first three feet of dump up hill to cover quarry floor and quarry face. Doze curb off dump downhill to recontour and blend in with hill. Spread topsoil with front end loader, seed, then rake with loader teeth.

Amount of disturbed area which will receive reclamation treatments = 1.29

Estimated total disturbed area for this mine = 1.29

Activity	Qty	Unit	\$/Unit	\$
Safety Gates, signs, etc		sum	200	0
Demolition of buildings & facilities	0	CF	0.23	0
Debris & equipment removal - trucking	0	trips	48	0
Debris & equipment removal - dump fees	0	CY	6	0
Debris & equipment removal - loading trucks w/FE loader	0	hours	166	0
Demolition & debris removal - general labor	0	hours	15	0
Regrading facilities areas	0	acre	415	0
Regrading waste dump slopes	233	CY	0.32	75
Ripping waste dump tops	1	acre	363	363
Ripping stockpile & compacted areas	0	acre	363	0
Ripping pit floors	0	acre	363	0
Ripping pit access roads	0	acre	363	0
Creating safety berms or barriers around highwalls	0	LF	0.1	0
Ripping access roads - dozer	0	acre	363	0
Regrading access roads - dozer	0	acre	415	0
Sidecast mtl replacement on steep roads - trackhoe	0	LF	0.85	0
Surface drainage restoration of construction	0	LF	0.1	0
Topsoil replacement - dozer	0	CY	0.4	0
Topsoil replacement - scraper	0	CY	1.01	0
Topsoil replacement - truck & FE loader	120	CY	1.99	239
Mulching (2 ton/acre alfalfa)	0	acre	160	0
Fertilizing (100lb/acre diammonium phosphate)	1.3	acre	90	117
Broadcast seeding (~20 lb/acre)	1.3	acre	170	221
Drill seeding (~13 lb/acre)	0	acre	150	0
Hydroseeding	0	acre	800	0
General site cleanup & trash removal	1.3	acre	50	65
Equipment mobilization	33%	equip	1000	330
Reclamation Supervision	1	days	356	356
	Subtotal			1,765
10% Contingency				177
	Subtotal			1,942
Escalate for 5 years at 2.24% per yr				217
	Total			2,159



# Reclamation Surety Estimate

Mine Name

Aspen Frost

Insert details of reclamation here

Doze first three feet of dump up hill to cover quarry floor and quarry face. Doze curb off dump downhill to recontour and blend in with hill. Spread topsoil with front end loader, seed, then rake with loader teeth.

Amount of disturbed area which will receive reclamation treatments = 2.10  
Estimated total disturbed area for this mine = 2.10

Activity	Qty	Unit	\$/Unit	\$
Safety Gates, signs, etc		sum	200	0
Demolition of buildings & facilities	0	CF	0.23	0
Debris & equipment removal - trucking	0	trips	48	0
Debris & equipment removal - dump fees	0	CY	6	0
Debris & equipment removal - loading trucks w/FE loader	0	hours	166	0
Demolition & debris removal - general labor	0	hours	15	0
Regrading facilities areas	0	acre	415	0
Regrading waste dump slopes	340	CY	0.32	109
Ripping waste dump tops	2.1	acre	363	762
Ripping stockpile & compacted areas	0	acre	363	0
Ripping pit floors	0	acre	363	0
Ripping pit access roads	0	acre	363	0
Creating safety berms or barriers around highwalls	0	LF	0.1	0
Ripping access roads - dozer	0	acre	363	0
Regrading access roads - dozer	0	acre	415	0
Sidecast mtl replacement on steep roads - trackhoe	0	LF	0.85	0
Surface drainage restoration of construction	0	LF	0.1	0
Topsoil replacement - dozer	0	CY	0.4	0
Topsoil replacement - scraper	0	CY	1.01	0
Topsoil replacement - truck & FE loader	189	CY	1.99	376
Mulching (2 ton/acre alfalfa)	0	acre	160	0
Fertilizing (100lb/acre diammonium phosphate)	2.1	acre	90	189
Broadcast seeding (~20 lb/acre)	2.1	acre	170	357
Drill seeding (~13 lb/acre)	0	acre	150	0
Hydroseeding	0	acre	800	0
General site cleanup & trash removal	2.1	acre	50	105
Equipment mobilization	33%	equip	1000	330
Reclamation Supervision	1	days	356	356
Subtotal				2,584
10% Contingency				258
Subtotal				2,843
Escalate for 5 years at 2.24% per yr				318
Total				3,161